

Claims

Claimed is:

1. A motor vehicle transmission with automatic shifting capability having three spider carried planetary sets, three brakes, and two clutches for shifting through six forward gears and one reverse gear, and having an input drive shaft and an output drive shaft therein characterized, in that

- the input drive shaft (10) is connected directly with the sun gear (16) of the second planetary gear set (3) and
- the input drive shaft (10) is connected by means of the first clutch (8) with the sun gear (12) of the first planetary set (2) and/or by means of the second clutch (9) can be connected with the spider (15) of the first planetary set (2), and/or
- the sun gear (12) of the first planetary set (2) can be connected to the housing of the transmission by means of the first brake (5), and/or
- the spider (15) of the first planetary set (2) can be connected with the transmission housing by means of the second brake (6), and/or
- the sun gear (20) of the third planetary set (4) can be connected with the housing by means of the third brake (7).

2. A motor vehicle transmission with automatic shifting capability, in accord with Claim 1, therein characterized, in that the output shaft (11) is continually in connection with the spider (23) of the third planetary set (4) and with the internal gear (14) of the first planetary set (2).

3. A motor vehicle transmission with automatic shifting capability, in accord with Claim 2, therein characterized, in that the spider (15) of the first planetary set (2) is in continual connection with internal gear (18) of the second planetary set (3) and the spider (19) of the second planetary set (3) is in continual connection with the internal gear 22 of the third planetary set (4).

4. A motor vehicle transmission with automatic shifting capability, in accord with Claim 1, therein characterized, in that the output shaft (11) is in continual connection with the spider (19) of the second planetary set (3) and with the internal gear (14) of the first planetary set (2).

5. A motor vehicle transmission with automatic shifting capability, in accord with Claim 4, therein characterized, in that the spider (15) of the first planetary set (2) is in continual connection with the internal gear (22) of the third planetary set (4) and the internal gear of the second planetary set (3) is in continual connection with the spider (23) of the third planetary set (4).

6. A motor vehicle transmission with automatic shifting capability, in accord with one of the foregoing Claims, therein characterized, in that the first clutch (8) is activated in the third and fifth gear, as well as in the reverse gear.

7. A motor vehicle transmission with automatic shifting capability, in accord with one of the foregoing Claims, therein characterized, in that the second clutch (9) is activated in the fourth, fifth, and sixth gear.

8. A motor vehicle transmission with automatic shifting capability, in accord with one of the foregoing Claims, therein characterized, in that the first brake (5) is activated in the second and sixth gear.

9. A motor vehicle transmission with automatic shifting capability, in accord with one of the foregoing Claims, therein characterized, in that the second brake (6) is activated in the first gear and in the reverse gear.

10. A motor vehicle transmission with automatic shifting capability, in accord with one of the foregoing Claims, therein characterized, in that the third brake (7) is activated in the first, second, third and fourth gear.

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